



STDN DAILY REPORT  
FOR GMT DAYS  
02, 03, 04 AND 05 NOVEMBER 2000

## Part I. Operations

### 02 NOVEMBER

#### A. SN Anomalies: - None.

##### 1. ERBS Support

02/033100-033542Z

ERBS POCC experienced a return service dropout, reason unknown. STGT delog showed no equipment problems. No data loss declared by POCC. TTR # 23092

0316-0346Z 171 SSA2 4 Mins. 42 Secs. service loss

#### B. ISS/ECOMM Anomalies - None.

#### C. GN Anomalies:

##### 1. AGS/FAST Support

02/070500-073500Z

POCC unable to transmit commands, reason unknown. After acquisition the carrier would not stop sweeping. Post pass the computer was rebooted to clear the anomaly. No data loss was declared. TTR # 23094 CDS #17318/17319

0705-0735Z 30 minutes service loss

0915-0945Z 30 minutes service loss

##### 2. AGS/QST Support

02/115000-120400Z

The master computer halted due to operator error. TTR # 23095  
CDS ID# 17321

14 minutes service/data loss non-recoverable

### 3. AGS/SAMPEX Support

01/223556-224756Z

The spacecraft RF acquisition was nominal, but no bit synchronizer lock could be achieved. Because of the problem that was experienced during the previous contact at TOTS, and to aid in isolating the anomaly the TOTS systems was brought up to shadow the LEO-T. Shortly after Acquiring the RF at TOTS the operator configured the three bit synchronizers as follows #1 for high rate, #2 for medium rate and #3 for low rate. The medium rate bit synchronizer lock on the data. The TOTS operator reported to the LEO-T operator that the spacecraft was configured for 16 kbps data. This information was relayed to the control center. Less than a minute later, at ~22:47:56 the LEO-T 900 kbps bit synchronizer and the TOTS 900 kbps bit synchronizer locked on data. The control center then reported receiving telemetry. TTR # 23096 CDS ID# 17322

12 minutes service/data loss non-recoverable

### 4. WGS/SWAS Support

02/203400-204600Z

It appears when system went to IP that it went into a tilt axis limit. Unable to clear fault before support due to the fact that you have to manually crank axis out of limit. Advised project of the situation and they stated they would schedule the next pass (at poker) to recover the data. TTR # 23098 CDS ID# 17323

12 minutes service/data loss recoverable

### 5. AGS/FAST Support

02/221900-224737Z

A command connection was not established with the project. It was decided to wait post pass to troubleshoot problem. Post pass troubleshoot indicated that the problem might be with the station equipment. TTR # 23101 CDS # 17329

28 minutes service loss

## 6. AGS/SAMPEX Support

02/001455-002535Z

Negative acquisition, this event was very similar to the earlier support orbit 45421. The TOTS performance from initialization through the end of the events was nominal. The operators confirmed that the carrier was up at horizon rise, sweep was enabled for 30 seconds after horizon break and modulation applied. On termination of sweep command modulation was confirmed. Receipt of commands and subcarrier modulation by these commands was confirmed. All station assets performance were nominal during this event. Several re-sweeps were initiated, but yielded no results. No anomalies were noted during the event or observed during post pass investigation. TTR # 23102 CDS # 17325

11 mins. 52 secs. service/data loss non-recoverable

## 03 NOVEMBER

### A. SN Anomalies:

#### 1. TOPEX Support

03/020900-021708Z

Topex reported no ODM/GCMR capability reason unknown. NCC TM brought up their site. The problem was delayed due to an unknown voice loop anomaly. Topex contacted CSC-3 via telephone to coordinate the fix of UPD problem. Goddard Voice was able to confirm good comm between STGT (CSC-3) and Topex via TDRS-1 by 022046Z. TTR # 23097

171 SSA2 0209-0234Z 8 mins. 8 secs. service loss

#### 2. EUVE Support

03/193026-213545Z

EUVE POCC reported continuous dropouts on their I & Q channels WSGT confirmed solid lock on the Spectrum Analyzer. NISN CD Manager advised Berkley POCC to reset their Conversion Device, which cleared the anomaly. TTR #23103

TDE SSAR2 1930-1941Z 21 mins 33 secs data loss recoverable  
TDE SSAR2 2119-2136Z 17 mins 44 secs data loss recoverable

B. ISS/ECOMM Anomalies: - None.

C. GN Anomalies:

1. AGS/LSAT-7 Support 03/215600-221000Z

For this support the Master did not push the profile (catalog) to any equipment. The PTP, Metrums, SCC & TDF were all configure and started by hand. Post Pass @ 308/23:10z  
Completed reboot of Master (Twice) and Nodes 1, 2 & 3. TTR # 23104 CDS # 17337

14 minutes service/data loss recoverable

2. SGS/QST Support 03/213519-215031Z

Due to a antenna failure this support was lost. During AOS positioning, the antenna triggered the limit software. The operator had to handcrank the antenna to unlock the situation. TTR # 23105 CDS # 17338

15 mins. 12 secs. service/data loss recoverable

3. WGS/FUSE Supports 03/171500-224100Z

No Up-Link power from LEO-T. Troubleshooting found that the Switch System controlling AC power to HPA is defective. FUSE project was informed of the LEO-T up-link status and opted to continue with down-link support only. TTR # 23110  
CDS ID # 17343/17344

1715-1725Z 10 minutes service loss  
1900-1911Z 11 minutes service loss  
2046-2057Z 11 minutes service loss  
2233-2241Z 08 minutes service loss

04 NOVEMBER

A. SN Anomalies:

1. UARS Support

04/225530-232300Z

UARS event failed to lock at AOS. No RF was present on Spectrum Analyzer. CSC was unable to reach the POCC and transmitted two forward reacquisition GCMR first at 22:56:57Z second at 22:58:56Z. with no result. POCC reported problem suspected to be with the UARS Satellite on Board Absolute Time Processor. TTR # 23109

TDE MAR5 225530-232300Z 27 Min. 30 Sec. Svc/Data Loss (Non-Recov)

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies:

1. SGS/COBE Support

04/054404-092200Z

The Station was unable to turn Cobe transmitter on. Commands verified by Cmd Echo Bitsync to be transmitted from SGS. Tried to require with no success. Approx. 15 commands were sent. Setup at SGS did look nominal. Possible causes could be invalid ephemeris or spacecraft related. TTR # 23106 CDS ID #17339/17340

56151 0544-0559Z 12 minutes service/data loss non-recoverable  
56153 0907-0922Z 15 minutes service/data loss non-recoverable

2. MGS/RADARSAT Support

04/060658-060834Z

The backup ampex recorder was commanded to start for the support but nothing happened. After the support, the recorder was power cycled and command tested. The recorder operated nominally. TTR # 23121 CDS ID # 17353

060643-061624Z 1 Min. 36 Sec. Svc Loss only

3. AGS/TRACE Support

04/145100-150300Z

LEO-T configured for pass support. Support began and it was noticed the HPA was not radiating. The command support was switched to TOTS with only 3 minutes remaining in the support period. No commands were received by the spacecraft. Reason unknown, under investigation. TTR # 23107 CDS ID #17341

12 minutes service loss

4. SGS/LSAT-7 Support

04/111025-111036Z

The station lost track of the spacecraft. We were at that time tracking in Auto Div mode. Operator manually switched to S-band track and reacquired the satellite at 11:10:36z. Lost X-band track during dump. TTR # 23108 CDS ID #17342

Low X-band 1104-1119Z 11 Sec. Svc/Data Loss recov (unknown)  
Medium X-band 1104-1119Z 11 Sec. Svc/Data Loss

5. AGS/LSAT-7 Support

04/210159-211626Z

Master computer pushed blank ephemeris instead of schedule to SCC. The result was to delete ephemeris data for all satellite passes schedule. Operator was unable to recover in time to support LANDSAT-7, since event occurred 8 minutes to AOS  
TTR # 23111 CDS ID # 17345

14 Min 27 Sec. Svc/Data Loss Recoverable (unknown)

6. WGS/QSCAT Support

04/230500-230700Z

The 262kb data from PTP was unusable. A total of 665 frames were processed and had one-for-one CRC errors. Suspect a patch cable not firmly seated during real-time but reseated during post-pass trouble shooting. TTR # 23117 CDS ID#17350

2304-2319Z 1 minute 47 seconds service/data recoverable

05 NOVEMBER

A. SN Anomalies:

1. BRTS C1313MS Support 05/080800-200900Z

A 1313 BRTS Event at 0808Z failed to acquire. All subsequent 1313 BRTS on TDRS WEST MA OR SSA failed to acquire also for a total of 7 added Events. The anomaly was cleared after the Alice Springs Tech depress the Lamp Test button on the transponder. TTR # 23112

TDW SSA/MA 28 Min. Svc Loss only

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies:

1. WGS Supports 05/101200-160900Z

TOTS antenna slewed off the satellite. Operator tried applying time bias but that did not correct the problem. Went back to program track and regained a good acquisition, but many errors were noted & towards end of pass lost socket connection.

TTR 23114 CDS ID#17347/17351

TRACE 1006-1017Z 2 mins 30 secs data loss Recov (unk)

SAMPEX 1604-1614Z 4 mins data loss recoverable unknown

2. AGS/TOMS-EP Support 05/113000-114300Z

TOTS-1 didn't have the 1.2Mbps Clock, available for the support. Troubleshooting during the support indicated a problem in the main building (TMA). CD Manager was contacted to assist with the troubleshooting. After extensive probing and monitoring for the clock in TMA, it was found on another Patch Panel. The

cables supplying 1.2Mbps to TOTS-1, was then connected to the proper ports. Data was recorded on site. TTR # 23115  
CDS ID#17348

13 minutes service/data loss recoverable

### 3. SGS/QST Support

05/140200-145000Z

During positioning to AOS position, antenna went in to AZ and EL interlock. Handcranking azimuth cleared the anomaly. This anomaly is under investigation. TTR # 23116 CDS ID#17349

140302-141551Z 12 mins 49 secs svc/data loss recoverable

### 4. WGS/TRACE Support

05/233000-234000Z

TOTS had a quick turn-around from WIRE to TRACE, less than one minute, and the result was the MASTER COMPUTER did not complete a full configuration for the TRACE support. The TOTS operator was unable to bring up carrier power from the HPA. An attempt to reset the HPA from inside the pedestal was not successful. The system was rebooted post-pass and HPA is now in operational state. TTR # 23120 CDS ID # 17352

10 Min. Svc/Data Loss Recoverable (unknown)

## Part II. Testing Anomalies

A. SN Test - None.

B. GN Test - None.

## Part III. Equipment Status Changes - None.

## Part IV. Scheduled Activities:

TERRA (AM-1) ERPS Oper. Interface Test

06/1405-1505Z



ISS JSC /WSC SCD 5.ENG. D/F Test	06/1430-07/1429Z
AQUA EGS-04.C.2 SGS TO EOC RF TLM & CMD Test	06/1445-1815Z
QUICKSCAT QMOC & PDF 11-Meter Customer Interface Test	06/1500-1700Z
STS-92 Postlanding Dump P/B to JSC	06/1600-2100Z
SN/EO-1/CTV Antenna Calibration	06/2039-2148Z

Part V. Launch Forecast Changes - None.